

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	((MELODY) near2 (WILK)).INV.	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:24
S2	12	((WILLIAM) near2 ("CHAMBERLIN III")). INV.	US-PGPUB; USPAT	ADJ	ON	2007/11/29 18:00
S3	12	((JACK) near2 (KELLEY)).INV.	US-PGPUB; USPAT	ADJ	ON	2007/11/29 18:01
S4	131	((WILLIAM) near2 (ABRAHAM)).INV.	US-PGPUB; USPAT	ADJ	ON	2007/11/29 18:01
S5	249	508/368,371.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/29 18:57
S6	39	508/346.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/29 18:58
S7	392	558/208-210.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/29 18:59
S8	0	"5919740".ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/29 18:59
S9	1	"5919740".pn.	US-PGPUB; USPAT	ADJ	ON	2007/11/29 19:04
S10	2	("6323162" or "20020019320").pn.	US-PGPUB; USPAT	ADJ	ON	2007/11/29 19:02
S11	21	("2579037"   "2932614"   "2959544"   "3193500"   "3211648"   "3640872"   "3686243"   "3720613"   "4244827"   "4259192"   "4400283"   "4410434"   "4450096"   "4460511"   "4778906").PN. OR ("5919740").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/30 11:24
S12	5	Acylated with nitrogen same TBN and lubrica \$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/30 11:26

S13	64	("1966050"   "2257890" "2298639"   "2382700" "2738330"   "2941945" "2882229"   "3087936" "3197405"   "3213020" "3213021"   "3219666" "3254025"   "3313727" "3282955"   "3471404" "3533945"   "3544465" "3666662"   "3997454" "4029587"   "4089790" "4119549"   "4119550" "4191659"   "4234435" "4260503"   "4308154" "4344854"   "4417990" "4510062"   "4582618" "4584115"   "4670169" "4744920"   "4755311" "4792410"   "4876374" "4925983"   "5230714" "RE27331").PN. OR ("6362136").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/30 11:31
S14	28	("4755311").URPN.	USPAT	ADJ	ON	2007/11/30 11:36
S15	47	508/354.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/30 13:58
S16	51	("3403092"   "3915843" "4256593"   "4372839" "4376036"   "4776967" "4812246"   "4853139" "4938880").PN. OR ("5064546").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/30 14:05
S17	6	("2892784"   "4707284" "4801391"   "5019662" "5064546").PN. OR ("6521570").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/30 14:10
S18	8	("4707284").URPN.	USPAT	ADJ	ON	2007/11/30 14:17

S19	40	("2364283"   "2364284"   "2552570"   "2618597"   "2737492"   "3014940"   "3210275"   "3347790"   "3360463"   "3376221"   "3401185"   "3423316"   "3481716"   "3523081"   "3595792"   "4203854"   "4259192"   "4308154"   "4392966"   "4466895"   "4582920"   "4664822"   "4707284"   "4764294"   "4767551").FN. OR ("5739089").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/30 14:18
S20	993	4-methyl-2-pentyl	US-PGPUB; USPAT	ADJ	ON	2007/11/30 18:02
S21	142	S20 same alcohol	US-PGPUB; USPAT	ADJ	ON	2007/11/30 18:03
S22	24	S21 and "508"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/30 18:03
S23	42	detergent same metal same phosphorus same ratio and lubricating	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:28
S24	25	detergent same metal same phosphorus same ratio same lubricat\$3	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:32
S25	5	detergent same metal near2 phosphorus same ratio and lubricat\$3	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:35
S26	21	detergent same metal with phosphorus same ratio and lubricat\$3	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:36
S27	243	metal with phosphorus same ratio and lubricat \$3	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:36
S28	12	metal near2 phosphorus same ratio and lubricat\$3 and detergent	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:40
S29	0	metal to phosphorus	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:41
S30	3772	metal near2 phosphorus	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:41
S31	369	S30 and "508"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:41

S32	311	S31 and detergent	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:41
S33	263	S32 and ratio	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:41
S34	215	S33 and metal same detergent	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:42
S35	42	S34 and metal same phosphorus same ratio	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:47
S36	1	"4755311".pn.	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:49
S37	0	S36 and metal near2 phosphorus	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:49
S38	1	S36 and metal near3 ratio	US-PGPUB; USPAT	ADJ	ON	2007/12/03 09:49
S39	9	((US-6777378-\$ or US- 6001783-\$ or US- 4778906-\$ or US- 4755311-\$ or US- 6689723-\$ or US- 6617287-\$ or US- 5064546-\$ or US- 6730640-\$ or US- 4707284-\$).did.	USPAT	ADJ	ON	2007/12/03 09:50
S40	0	S39 and metal near2 phosphorus same ratio	USPAT	ADJ	ON	2007/12/03 09:51
S41	3	S39 and metal near2 phosphorus	USPAT	ADJ	ON	2007/12/03 09:54
S42	16	balanc\$3 same crankcase same lubricant and catalyst	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/12/03 09:56
S43	250	catalyst same phosphorus same lubricat\$3	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/12/03 09:57
S44	142	S43 and "508"/\$.ccls.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/12/03 14:13
S45	2	"5726132".pn.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/12/03 14:13
S46	5	((MELODY) near2 (WILK)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S47	12	((WILLIAM) near2 ("CHAMBERLIN III")). INV.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S48	13	((JACK) near2 (KELLEY)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19

S49	132	((WILLIAM) near2 (ABRAHAM)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S50	255	508/368,371.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S51	39	508/346.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S52	395	558/208-210.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S53	0	"5919740".ccls.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S54	1	"5919740".pn.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S55	2	("6323162" or "20020019320").pn.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S56	21	("2579037"   "2932614"   "2959544"   "3193500"   "3211648"   "3640872"   "3686243"   "3720613"   "4244827"   "4259192"   "4400283"   "4410434"   "4450096"   "4460511"   "4778906").PN. OR ("5919740").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/13 15:19
S57	5	Acyated with nitrogen same TBN and lubrica \$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/13 15:19
S58	64	("1966050"   "2257890"   "2298639"   "2298640"   "2382700"   "2738330"   "2882229"   "2941945"   "3087936"   "3197405"   "3213020"   "3213021"   "3213022"   "3219666"   "3254025"   "3282955"   "3313727"   "3471404"   "3533945"   "3544465"   "3666662"   "3997454"   "4029587"   "4089790"   "4119549"   "4119550"   "4191659"   "4234435"   "4260503"   "4308154"   "4344854"   "4417990"   "4510062"   "4582618"   "4584115"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/13 15:19

		"4670169"   "4744920"   "4755311"   "4792410"   "4876374"   "4925983"   "5230714"   "RE27331").PN. OR ("6362136").URPN.				
S59	28	("4755311").URPN.	USPAT	ADJ	ON	2008/05/13 15:19
S60	47	508/354.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S61	51	("3403092"   "3915843"   "4256593"   "4372839"   "4376036"   "4776967"   "4812246"   "4853139"   "4938880").PN. OR ("5064546").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/13 15:19
S62	6	("2892784"   "4707284"   "4801391"   "5019662"   "5064546"). PN. OR ("6521570"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/13 15:19
S63	8	("4707284").URPN.	USPAT	ADJ	ON	2008/05/13 15:19
S64	40	("2364283"   "2364284"   "2552570"   "2618597"   "2737492"   "3014940"   "3210275"   "3347790"   "3360463"   "3376221"   "3401185"   "3423316"   "3481716"   "3523081"   "3595792"   "4203854"   "4259192"   "4308154"   "4392966"   "4466895"   "4582920"   "4664822"   "4707284"   "4764294"   "4767551").PN. OR ("5739089").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/13 15:19
S65	1055	4-methyl-2-pentyl	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S66	145	S65 same alcohol	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S67	25	S66 and "508"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19

S68	45	detergent same metal same phosphorus same ratio and lubricating	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S69	27	detergent same metal same phosphorus same ratio same lubricat\$3	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S70	6	detergent same metal near2 phosphorus same ratio and lubricat\$3	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S71	24	detergent same metal with phosphorus same ratio and lubricat\$3	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S72	247	metal with phosphorus same ratio and lubricat \$3	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S73	13	metal near2 phosphorus same ratio and lubricat\$3 and detergent	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S74	0	metal to phosphorus	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S75	3888	metal near2 phosphorus	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S76	388	S75 and "508"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S77	329	S76 and detergent	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S78	280	S77 and ratio	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S79	231	S78 and metal same detergent	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S80	45	S79 and metal same phosphorus same ratio	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S81	1	"4755311".pn.	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S82	0	S81 and metal near2 phosphorus	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S83	1	S81 and metal near3 ratio	US-PGPUB; USPAT	ADJ	ON	2008/05/13 15:19
S84	9	(US-6777378-\$ or US-6001783-\$ or US-4778906-\$ or US-4755311-\$ or US-6689723-\$ or US-6617287-\$ or US-5064546-\$ or US-6730640-\$ or US-4707284-\$).did.	USPAT	ADJ	ON	2008/05/13 15:19

S85	0	S84 and metal near2 phosphorus same ratio	USPAT	ADJ	ON	2008/05/13 15:19
S86	3	S84 and metal near2 phosphorus	USPAT	ADJ	ON	2008/05/13 15:19
S87	16	balanc\$3 same crankcase same lubricant and catalyst	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/05/13 15:19
S88	269	catalyst same phosphorus same lubricat\$3	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/05/13 15:19
S89	145	S88 and "508"/\$.ccls.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/05/13 15:19
S90	2	"5726132".pn.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/05/13 15:19

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